

FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 359

Hemiptera: Heteroptera: Pentatomidae

Dyroderes umbraculatus (Fabricius, 1775). Moravia mer., Břeclav-Pošterná, sands at Františkův rybník Nature Reserve (7267c), 48°43'3.20"N, 16°51'59.73"E, 160–170 m a.s.l., 27.iv.2014, xerothermic vegetation with presence of *Galium* near the railway, 1 ♀, V. Hemala leg. et det., P. Baňář revid., coll. Moravian Museum, Brno. Ponto-Mediterranean species so far known in Europe from Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, European Turkey, France, Germany (Baden-Württemberg), Great Britain, Greece, Hungary, Italy, Macedonia, Moldavia, Montenegro, Portugal, Romania, Russia (South European Part), Serbia, Slovakia, Slovenia, Spain, Switzerland and Ukraine; in North Africa from Algeria, Egypt, Morocco, and Tunisia; and in the Near East from Armenia, Asian Turkey, Azerbaijan, Iran, Iraq, Israel, Jordan and Syria (Lindberg 1948, Derjanschi & Péricart 2005, Rider 2006, Wachmann et al. 2008, Protić 2011, Aukema et al. 2013, Nau et al. 2014). This species lives on *Galium* spp., in Slovakia and in France it was found on *G. aparine* (Stehlík & Vavřínová 1993, Derjanschi & Péricart 2005), in Ukraine on *G. mollugo* (Putshkov 1961), or in sunlit steppes on *G. verum* (Putshkov 1961, Wagner 1966, Stehlík & Vavřínová 1993, Derjanschi & Péricart 2005). According to Stehlík & Vavřínová (1993) in Slovakia the species was collected in undulated and hilly terrain, and can be found in the undergrowth at the edges of woodland fringing steppe localities or on slopes with xerothermophilous vegetation, in localities on readily warmed substrates (e.g. andesite pyroclastics, basalt, conglomerates). The nearest known locality of *D. umbraculatus* in Slovakia is Rača pri Bratislave [= Bratislava-Rača] (Országh 1966) and some other localities in Bratislava surroundings (viz. Podunajské Biskupice, Čunovo and Čičov) (Štepanovičová & Degma 1999). Stehlík & Vavřínová (1993) presented additional localities in Podunajská nížina lowland. The nearest known locality in Lower Austria is Marchegg near the Slovakian border, and some other localities in Lower Austria (Hundsheimer Berge, Eichkogel) and Burgenland (Rabitsch 2007). New species for the fauna of the Czech Republic.

ACKNOWLEDGEMENTS. I would like to thank Petr Baňář (Moravian Museum, Brno) for possibility to study specimens of *Dyroderes umbraculatus* deposited in the Moravian Museum in Brno and to Petr Kment (National Museum, Prague) for proposal to visit the localities near Břeclav-Pošterná. Special thanks goes to Karel Hradil (Jičín) for critical review of the manuscript.

AUKEMA B., RIEGER Ch. & RABITSCH W. 2013: *Catalogue of the Heteroptera of the Palaearctic Region. Volume 6. Supplement*. The Netherlands Entomological Society, Amsterdam, xxiv + 629 pp. – DERJANSCHI V. & PÉRICART J. 2005: *Hémiptères Pentatomoidea Euro-Méditerranéens. Volume I. Faune de France. Vol. 90*. Fédération Française des Sociétés de Sciences Naturelles, Paris, 494 pp. + 16 pls. – LINDBERG H. 1948: On the insect fauna of Cyprus. Results of the expedition of 1939 by Harald, Håkan and P. H. Lindberg. II. Heteroptera und Homoptera Cicadina der Insel Zypern. *Commentationes Biologicae* 10(7): 23–175. – NAU B. S., MERRIFIELD R. K. & MERRIFIELD R. M. 2014: *Dyroderes umbraculatus* (Heteroptera: Pentatomidae: Sciocorini) new to Britain and related possible immigrants. *British Journal of Entomology and Natural History* 27: 13–20. – ORSZÁGH I. 1966: Príspevok k poznaniu fauny bzdôch (Heteroptera) Jurského šúru a príľahých svahov Malých Karpát. (Contribution to further knowledge of Heteroptera fauna of „Jurský šúr“ and the adjacent slopes of the Little Carpathians).

Entomologické Problémy **6**: 37–75 (in Slovak, English and German summaries). – PROTIĆ Lj. 2011: Heteroptera. *Prirodnjački Muzej u Beogradu, Posebna Izdanja* **43**: 1–259 (in Serbian, English summary). – PUTSHKOV V. G. 1961: *Shchitniki. Fauna Ukraini. Tom 21, Vypusk 1. [Shield bugs. Volume 21, Issue 1]*. Vidavnistvo Akademii Nauk Ukrain's'koy RSR, Kiiv, 338 pp. (in Ukrainian). – RABITSCH W. 2007: *Rote Listen ausgewählter Tiergruppen Niederösterreichs – Wanzen (Heteroptera), 1. Fassung 2005*. Amt der NÖ Landesregierung, Abteilung Naturschutz & Abteilung Kultur und Wissenschaft, St. Pölten, 280 pp. – RIDER D. A. 2006: Pentatomidae. Pp. 233–402. In: AUKEMA B. & RIEGER C. (eds): *Catalogue of the Heteroptera of the Palaearctic Region. Volume 5. Pentatomomorpha II*. The Netherlands Entomological Society, Amsterdam, xiii + 550 pp. – STEHLÍK J. L. & VAVŘÍNOVÁ I. 1993: Results of the investigations on Heteroptera in Slovakia made by the Moravian Museum (Pentatomoidea II). *Acta Musei Moraviae, Scientiae Naturales* **77** (1992): 157–208. – ŠTEPANOVIČOVÁ O. & DEGMA P. 1999: Effect of some environmental factors on structure of bug taxocoenoses (Heteroptera) in floodplain forest epigaeon of the Danube region. *Acta Societatis Zoologicae Bohemicae* **63**: 225–236. – WACHMANN E., MELBER A. & DECKERT J. 2008: *Wanzen. Band 4. Pentatomomorpha II. Pentatomoidea. Die Tierwelt Deutschlands. 81. Teil*. Goecke & Evers, Keltern, 230 pp. – WAGNER E. 1966: *Wanzen oder Heteropteren. I. Pentatomorpha [sic!]. Die Tierwelt Deutschlands und der angrenzenden Meeresteile nach ihren Merkmalen und nach ihrer Lebensweise. 54. Teil*. VEB Gustav Fischer Verlag, Jena, 235 pp.

Vladimír HEMALA, Department of Botany and Zoology, Faculty of Science,
Masaryk University, Kotlářská 2, CZ-611 37 Brno, Czech Republic;
e-mail: vladimir.hemala@gmail.com